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Lattice Dynamics Kit

Product Image



Description

Lattice Dynamics is an essential Component of any postgraduate course in Physics, Engineering Physics, Electronic Engineering and Material Science . In particular it is essential to understanding the interaction of electromagnetic waves and crystalline solids. In general, students find it difficult to understand involved concepts like ACOUSTICAL MODE , OPTICAL MODE and ENERGY GAP etc, which they cannot see for themselves in the laboratory. Such a difficulty can be overcome by introducing a laboratory exercise in which the student follows a carefully prescribed procedure, which presents him with a simplified model of the system and allows him to verify well-established theories. In the process he gains an insight into the concepts. The Lattice Dynamic kit provides such an experience in the study of mono and di-atomic lattices.

SETUP :- It consists of Oscillator with Amplitude Control and Facility to vary the Frequency from 1Hz. - 100KHz. It has inbuilt setup to match the Impedance of Simulated Lattice. Another Part of Lattice Dynamic setup Consists of Transmission line, which simulated One-Dimensional Mono-atomic and Di-atomic Lattices.

Frequency :- 1Hz. - 100KHz.

Display :- LCD

INPUT :- 220v. 50Hz.

Optional Accessories Required :- CRO .

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Lattice Dynamics Kit

Catalog No. 101027

Disclaimer

The Products details given on this page are indicative in nature and JAPSON reserves the right to change them without prior notice. Buyer is also requested to re-check the specifications and other features of product at the time of order as product development is a continuous process and minor modifications may be made to design based on latest availability, process and design.